

**Work Order ID 59731**

Thursday, June 10, 2010 9:57:48 AM



Page 1

Item ID: D3913-9

Accept



Setup Start



Revision ID:

Item Name: Hinge Rib

Stop



Start Date: 6/10/2010 Start Qty: 3.00



Cust Item ID:

Required Date: 6/17/2010 Req'd Qty: 3.00



Customer:

Reference:

Approvals:

Process Plan:

Date: 10-6-10

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3913	A								
100		0.00							
Large Fab	Memo	0.00							
Large Fab	1- Cut tube as per dwg D3913 2- remove identification marks and deburr								
			SAD						
			10-06-15						
110	QC5- Inspect part completeness to step on W/O	0.00							
QC	Memo	0.00							
Quality Control									
120	Identify as per dwg & Stock Location: WA	0.00							
Packaging	Memo	0.00							
Packaging									
			SAD						
			10-06-15						

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 59731**

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Page 2

Item ID: D3913-9

Accept



Setup Start

Revision ID:

Item Name: Hinge Rib

Stop



Start Date: 6/10/2010 Start Qty: 3.00



Cust Item ID:

Required Date: 6/17/2010 Req'd Qty: 3.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/06/16 J

MF  
10-6-15

W/O:		WORK ORDER CHANGES					
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**NOTE:** Date & initial all entries

# Picklist Print

Thursday, June 10, 2010 9:57:52 AM

Page 1

Work Order ID: 59731

Parent Item: D3913-9

Parent Item Name: Hinge Rib


Comments: IPP Rev:A new issue DD 10.03.19 verified by:EC

Start Date: 6/10/2010

Required Date: 6/17/2010

Start Qty: 3.00

Required Qty: 3.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.750W.049		Purchased	No			100	f	315.5414	7.875	24.86842			
													
304 SQ Tube .75x.75x.049W													



SAD

10-06-15

## Location

## Loc Qty

## Loc Code

MAT

315.5413419

113763

0

114323

29.3546289

114677

27.30236

114835

258.884353

MAT017

3.68448E-05

114298

3.6845E-05

24.86842

W/O:		WORK ORDER CHANGES					
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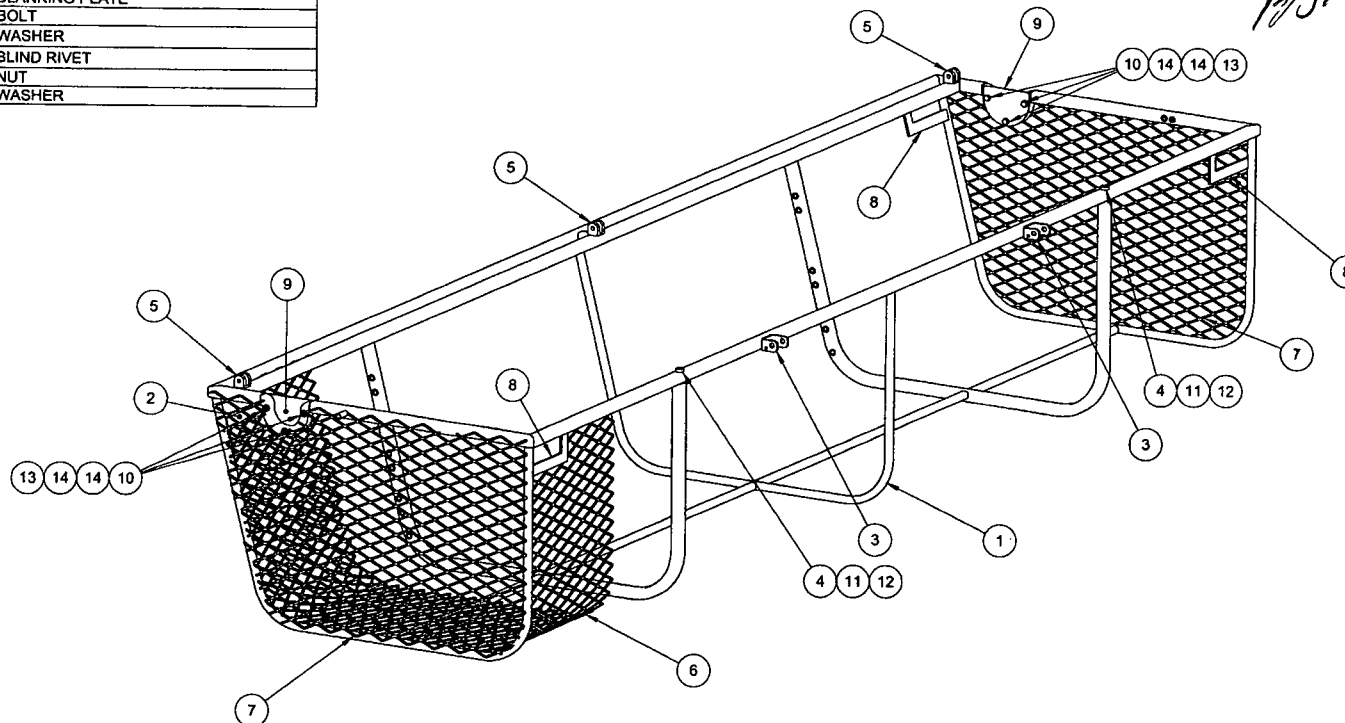
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 59731

*1310-6-10*

ITEM	QTY -041	P/N	DESCRIPTION
	X	D3913-041	LONG BASKET BASE ASSY (350)
1	1	D3913-101	TUBULAR ASSY (350 SHORT BASKET)
2	1	D3913-15	WIDE HANDLE PLATE
3	2	D2581	MOUNTING BRACKET
4	2	D2931	BUMPER
5	3	D4016-1	HINGE HALF, BASE
6	1	D4020-1	MESH (350 BASKET LONG BASE)
7	2	D4020-11	END MESH, BASKET
8	3	D4021-1	HANDLE PLATE
9	2	D4021-5	BLANKING PLATE
10	6	AN3-10A	BOLT
11	2	AN960JD8	WASHER
12	2	MS20600AD4W3	BLIND RIVET
13	6	MS21042L3	NUT
14	12	NAS1149F0332P	WASHER



**D3913-041 LONG BASKET BASE ASSY (350)**  
(MESH SHOWN LOCALLY FOR CLARITY)

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 43.3 lbs APPROX
- 8) INSTALL AFTER FINISH
- 9) MASK HOLES PRIOR TO POWDER COAT
- 10) WELD PER DART QSI 004

**RELEASED**  
2010-03-22  
*WJP*

A NEW ISSUE		JPH	10.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	JPH		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	<i>[Signature]</i>		
DATE	10.03.16		
		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>D3913</b> TITLE <b>LONG BASKET BASE ASSY (350) NTS</b> <small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
		REV. A	SHEET 1 OF 6
		SCALE	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries



TACK WELD MESH  
AT EVERY AVAILABLE  
LOCATION

**DETAIL C** D7-2

D A7-3  
D  
D8-2  
D4020-1  
MESH

D3913-101  
TUBULAR ASSY

W/O 59731

30.00

34.50

2 PL

D2931 BUMPER  
AN960JD8 WASHER  
MS20600AD4W3 RIVET  
2 PL (8)

D2581  
MOUNTING BRACKET  
2 PL

0.75

A

45.94

45.94

D4021-1  
HANDLE PLATE

D4016-1  
HINGE HALF, BASE  
3 PL

3 PL





D4021-1  
HANDLE PLATE  
2 PL

C7-3 A

C3-3 B

**D3913-041 LONG BASKET BASE ASSY (350)**  
(MESH SHOWN LOCALLY FOR CLARITY)

**RELEASED**  
2010-05-27

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CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D3913	SHEET 2 OF 6
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DE APPR.		LONG BASKET BASE ASSY (350) NTS	
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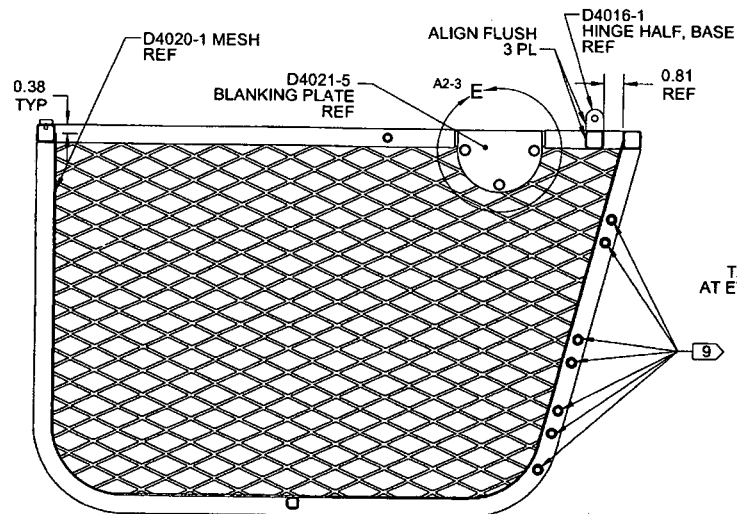
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

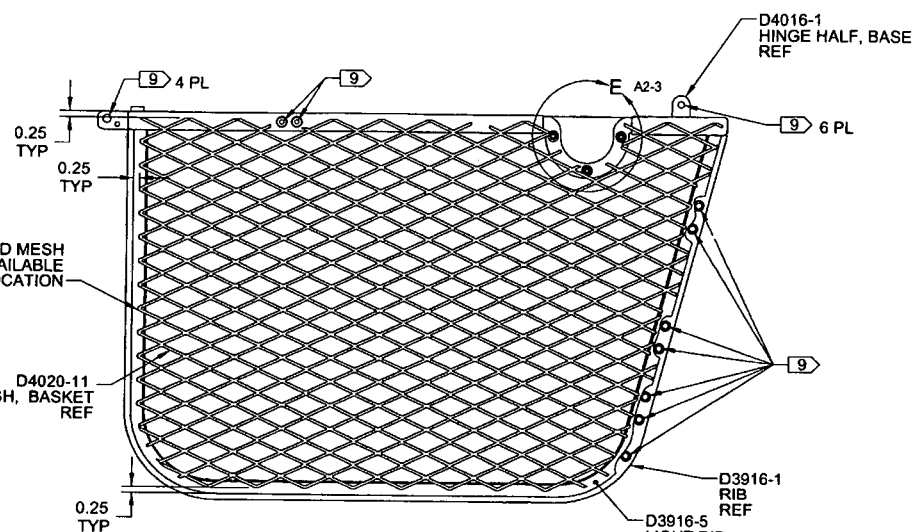
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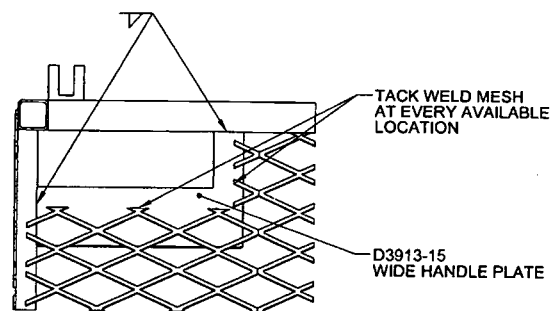
**NOTE:** Date & initial all entries



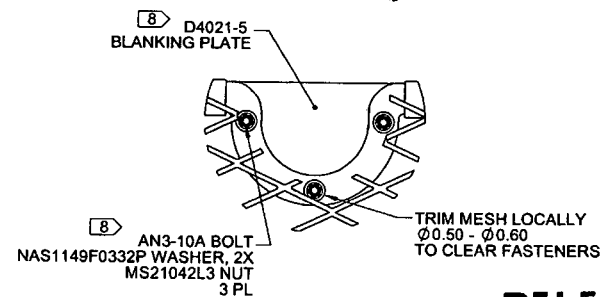
**SECTION A-A** A5-2



**VIEW B-B** A2-2







**SECTION D-D** D7-2  
TYPICAL FOR ALL  
HANDLE PLATES



**DETAIL E** D2-3  
D6-3

*W/O 59731*

**RELEASED**  
2010-03-22

DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	JRH	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D3913	SHEET 3 OF 6
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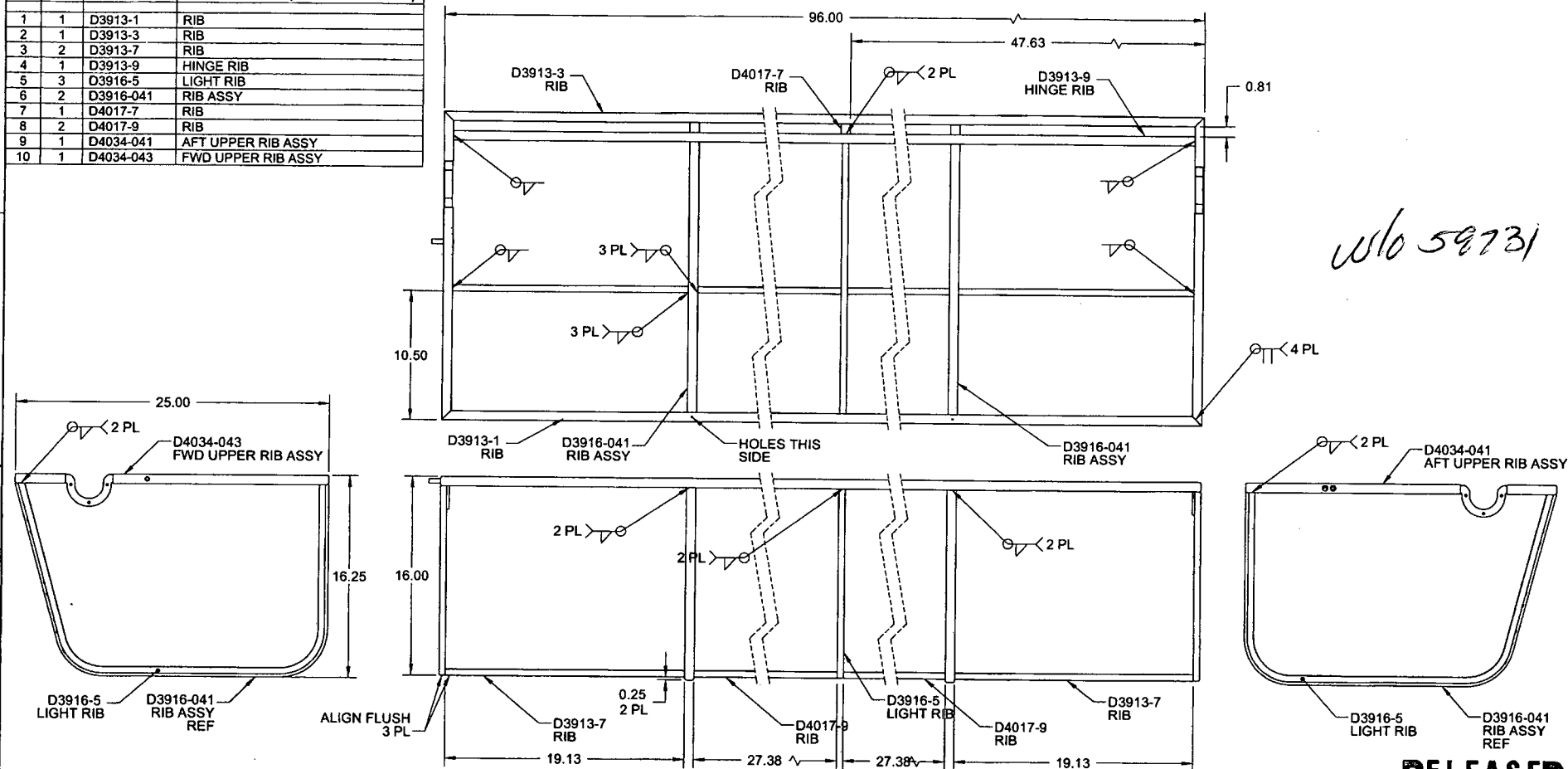
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**NOTE:** Date & initial all entries

ITEM	QTY	P/N	DESCRIPTION
	X	D3913-101	TUBULAR ASSY (350 LONG BASKET)
1	1	D3913-1	RIB
2	1	D3913-3	RIB
3	2	D3913-7	RIB
4	1	D3913-9	HINGE RIB
5	3	D3916-5	LIGHT RIB
6	2	D3916-041	RIB ASSY
7	1	D4017-7	RIB
8	2	D4017-9	RIB
9	1	D4034-041	AFT UPPER RIB ASSY
10	1	D4034-043	FWD UPPER RIB ASSY



8 D3913-101 TUBULAR ASSY (350 SHORT BASKET)

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 22.53 lbs
- 8) TOLERANCE FOR XX.XX DIMENSIONS  $\pm 0.06$  FOR D3913-101
- 9) WELD PER DART QSI 004

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DRAWN	JPH		
CHECKED	A	DRAWING NO.	REV. A
MFG. APPR.		D3913	SHEET 4 OF 6
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DE APPR.		LONG BASKET BASE ASSY (350)	NTS
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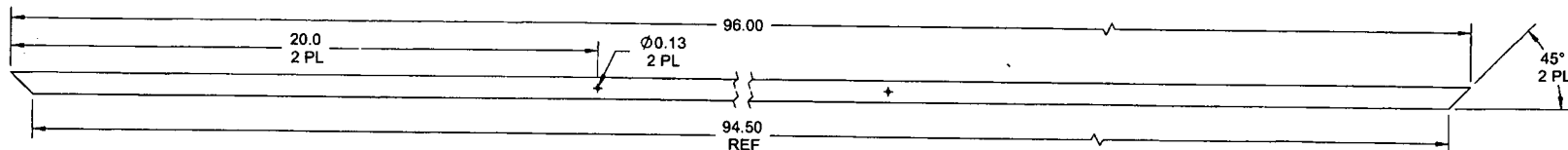
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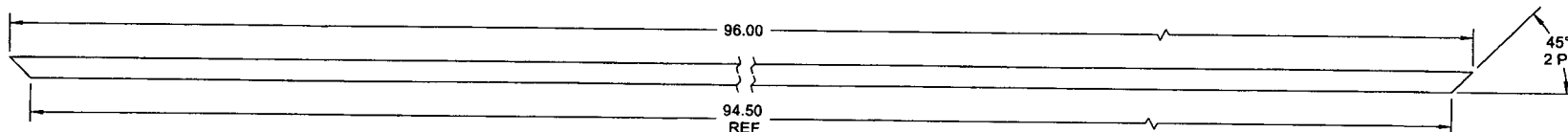
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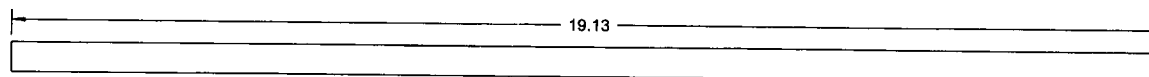
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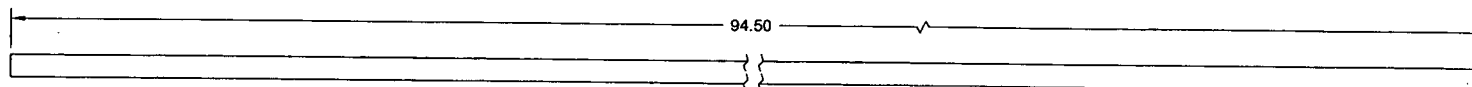
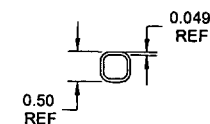
**D3913-1 RIB**



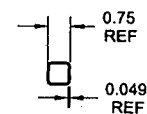
**D3913-3 RIB**



**D3913-7 RIB**



**D3913-9 HINGE RIB**



**NOTES:**

1) MATERIAL -1, -3, -9: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.75 X 0.75 X 0.049 WALL  
REF DART SPEC. M304TS0.750W.049

-7: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.50 X 0.50 X 0.049 WALL  
REF DART SPEC. M304TS0.500W.049

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: N/A

7) WEIGHT: SEE ASSEMBLED WEIGHTS

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2010-03-22

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DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D3913</b>	SHEET 5 OF 6
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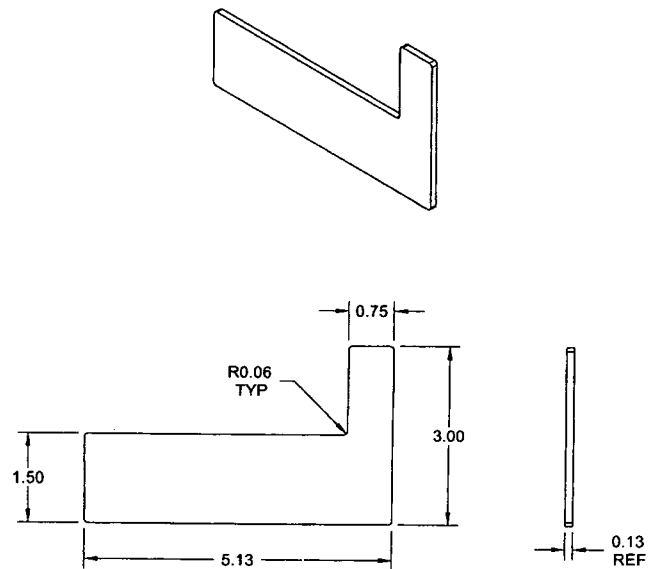
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


**D3913-15 WIDE HANDLE PLATE**

**NOTES:**

- 1) MATERIAL: 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH,  
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S11GA
- 2) FINISH : NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.31 lbs

W/059731

**RELEASED**  
R 2010-03-22  
JWP

DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	JRH	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D3913	SHEET 6 OF 6
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DE APPR.		LONG BASKET BASE ASSY (350)	NTS
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